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Dated: July 19, 2007

Signature: *[Signature]*

*[Signature]* (Rebecca Butler-Guinan)

Docket No.: 68349-00025USPX  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Jaume Anguera Pros et al.

Application No.: 10/584,442

Confirmation No.: 4143

Filed: July 18, 2006

Art Unit: 2821

For: MULTI-BAND MONOPOLE ANTENNAS  
FOR MOBILE COMMUNICATIONS  
DEVICES

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08 (facsimile). It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application in accordance with 37 CFR 1.98(a)(2). Applicant submits herewith copies of any cited non-patent documents and foreign patent documents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing

of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 23-2426, under Order No. 68349-00025USPX. A duplicate copy of this paper is enclosed.

Dated: July 19, 2007

Respectfully submitted,

By 

Shoaib A. Mithani

Registration No.: L0067

WINSTEAD PC

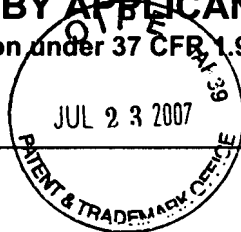
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Attorneys For Applicant

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)



Application Number		10584442
Filing Date		2006-07-18
First Named Inventor	JAUME ANGUERA PROS	
Art Unit	2821	
Examiner Name	NA	
Attorney Docket Number	68349-00025USPX	

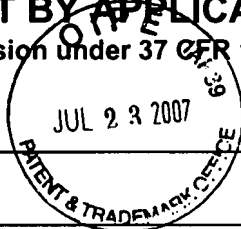
## **U.S. PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	4389651		1983-06-21	TOMASKY	
	2	5337065		1994-08-09	BONNET ET AL.	
	3	5943020		1999-08-24	LIEBENDOERFER ET AL.	
	4	6271794		2001-08-07	GEERAERT	
	5	6822611		2004-11-23	KONTOGEORGAKIS ET AL	
	6	6963310		2005-11-08	HORITA ET AL.	
	7	7068230		2006-06-27	QI ET AL.	

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## **U.S. PATENT APPLICATION PUBLICATIONS**

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	1	20050259031		2005-11-24	SANZ ET AL.	

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**FOREIGN PATENT DOCUMENTS**

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	1		<input type="checkbox"/>

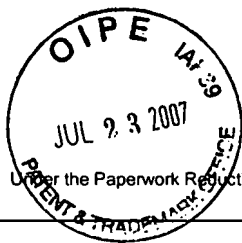
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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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	1	6343208	B1	2002-01-29	YING	
	2	6614400	B2	2003-10-02	EGOROV	
	3	5248988		1993-09-28	MAKINO	
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	5	5990838		1999-11-23	BURNS	
	6	5986610		1999-11-16	MIRON	
	7	6266023	B1	2001-07-24	NAGY	
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9	6281846	B1	2001-08-28	PUENTE	
10	4123756		1978-10-31	NAGATA	
11	5572223		1996-11-05	PHILLIPS	
12	6384790	B2	2002-05-07	DISHART	
13	7126537	B2	2006-10-24	COHEN	
14	7069043	B2	2006-06-27	SAWAMURA	

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	1	20020140615	A1	2002-10-03	PUENTE BALIARDA	
	2	20010050637	A1	2001-12-13	AOYAMA	

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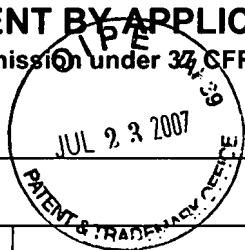
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	1	2004042868	WO	A1	2004-05-21	FRACTUS		<input type="checkbox"/>
	2	1367671	EP	A2	2003-12-03	NGK SPARK PLUG CO. LTD.		<input type="checkbox"/>
	3	03034538	WO	A1	2003-04-24	FRACTUS		<input type="checkbox"/>
	4	0938158	EP	A2	1999-02-17	NOKIA MOBILE PHONES LTD.		<input type="checkbox"/>
	5	03034544	WO	A1	2003-04-24	FRACTUS SA		<input type="checkbox"/>
	6	2004001894	WO	A1	2003-12-31	FRACTUS SA		<input type="checkbox"/>
	7	02078123	WO	A1	2002-10-03	TELEFONAKTIEBOLAG ET LM ERICSSON		<input type="checkbox"/>
	8	2001332924	JP		2001-11-30	SHARP KK		<input type="checkbox"/>
	9	10247808	JP		1998-09-14	MURATA MANUFACTURING		<input type="checkbox"/>
	10	2002050919	JP		2002-02-15	TAIYO YUDEN		<input type="checkbox"/>

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11	0938158	EP		1999-08-25	NOKIA MOBILE PHONES LTD		<input type="checkbox"/>
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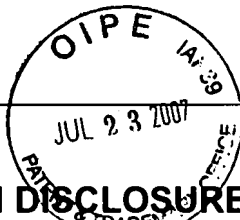
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	1	PUENTE, Fractal antennas, Universitat Politècnica de Catalunya, 1997	<input type="checkbox"/>
	2	PUENTE, Multiband fractal antennas and arrays, Fractals engineering - from theory to industrial applications, 1994	<input type="checkbox"/>
	3	NAKANO et al. Realization of dual-frequency and wide-band VSWR performances using normal-mode helical and inverted-F antennas, IEEE Transactions on Antennas and Propagation, 1998, vol. 46, No. 6	<input type="checkbox"/>
	4	MORISHITA et al., Design concept of antennas for small mobile terminals and the future perspective, IEEE Antennas and Propagation Magazine, 2002	<input type="checkbox"/>
	5	DOU et al, Small broadband stacked planar monopole, Willey Interscience, 2000	<input type="checkbox"/>
	6	STRUGATSKY, Multimode multiband antenna. Tactical communications: Technology in transition. Proceedings of the tactical communications conference, 1992	<input type="checkbox"/>
	7	SZKIPALA, Fractal antennas, TEAT, 2001	<input type="checkbox"/>

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